

Welcome to MDC4








MDC4 is a STAR-only exercise directed at data **reconstruction** and **physics analysis**, exercising reconstruction software, physics analysis software, infrastructure and CRS/CAS tools and facilities. The focus is on **new detectors** added for the run FY01/FY02 (**EMC**, **FTPC**, **SVT**, TOF) and the **new physics capabilities** provided by them.

MDC4 Agenda




First Week: April 26 – May 3, 2001

Reconstruction

-  Performance: memory usage, CPU
-  Stability of chain
-  QA, identify problems using
 -  QA apparatus
 -  Preliminary analysis

Second Week: May 4 – 10

Analysis

-  Create miniDSTs
-  Analysis
-  Assess new physics capabilities

PWG Meeting: May 10 – May 13

-  First day: MDC4 wrap-up meeting (afternoon)



MDC4 Information

✂ MDC4 home page

✂ http://www.star.bnl.gov/STAR/html/all_1/html/mdc4.html ([here](#))

✂ Infrastructure home page

✂ http://connery.star.bnl.gov/STAR/html/comp_1/mdc/ ([here](#))

✂ Also linked from the MDC4 home page

✂ Datasets for MDC4

✂ http://www.star.bnl.gov/STAR/html/all_1/html/mdc4-datasets.html
([here](#))

✂ Also linked from the MDC4 home page

✂ Mailing lists:

✂ Please use starsoft-hn@coburn.star.bnl.gov for software issues and
starsofi-hn@coburn.star.bnl.gov for infrastructure questions



Reconstruction: BFC Chains

✍ pp

✍ TPC + SVT + EMC (no FTPC, no ToF)

✍ Description ([here](#))

✍ Au+Au

✍ TPC + SVT + EMC + FTPC

✍ Description ([here](#))

In case of problems, questions contact:

✍ Spiros Margetis: reconstruction leader (tmp: Lee, Helen)

✍ Jerome Lauret: production leader

✍ Lidia Didenko: the soul of the production



Analysis

✂ miniDSTs

- ✂ Test new STAR-wide miniDST scheme (Frank Laue, Victor, tu)
 - ✂ Still test to do, needs some work
 - ✂ Required: input from pwg

✂ Analysis

- ✂ pwg based but needs close contact with subsystem leaders
- ✂ Strangeness: improvements using SVT
- ✂ High-pt: new physics using EMC
- ✂ Spectra: larger acceptance with FTPC
- ✂ EbyE: flow with FTPC
- ✂ Spin/pp: first MDC with pp on the agenda



MDC4 Meetings

- ✍ Each Tue & Thu at 3pm (EDT)
- ✍ Separate subsystem meetings to be announced
- ✍ Pwg meeting as usual (meet in person)

